THE EASTERN TRANSPORTATION COALITION
CONNECTING FOR SOLUTIONS

Traveler Information Services Web Summit

April 4, 2024

Welcome to the Meeting!

- We are using Zoom Meeting

- VIDEO - You are welcome to turn on your camera by pressing the camera icon in the bottom left corner of your screen – **particularly during the discussions!**

- AUDIO - You should be connecting to the meeting audio either through your computer or phone. Please keep your line muted when you are not speaking.

- **This web meeting is being recorded.**

- **Questions** with the audio or web? Please contact Esther via the Chat Box or email (ekleit@kmjinc.com)

tetcoalition.org
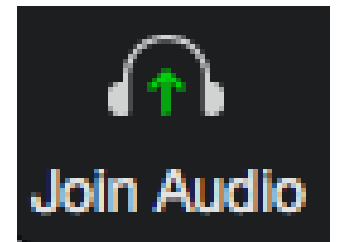
Asking Questions

- In the Chat Box
  - You may pose your questions using the Chat Box. Click on the chat icon at the bottom of your screen
  - The questions in the Chat Box will be monitored and answered at the end of the session.

- Verbally
  - Please raise your hand *(click on the participants button at the bottom of the screen then scroll down to the bottom of the list of participants and click on the "Raise Hand" button)*, and a host will unmute you.

  - Please give your name and agency before asking your question

  - **Please mute yourself when you are finished asking a question**
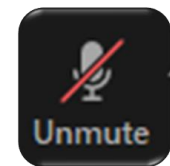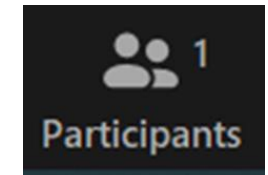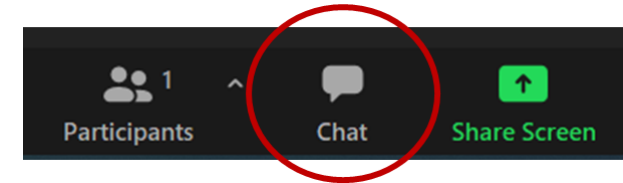
Welcome!

Sheryl Bradley
TSMO Program Director
The Eastern Transportation Coalition
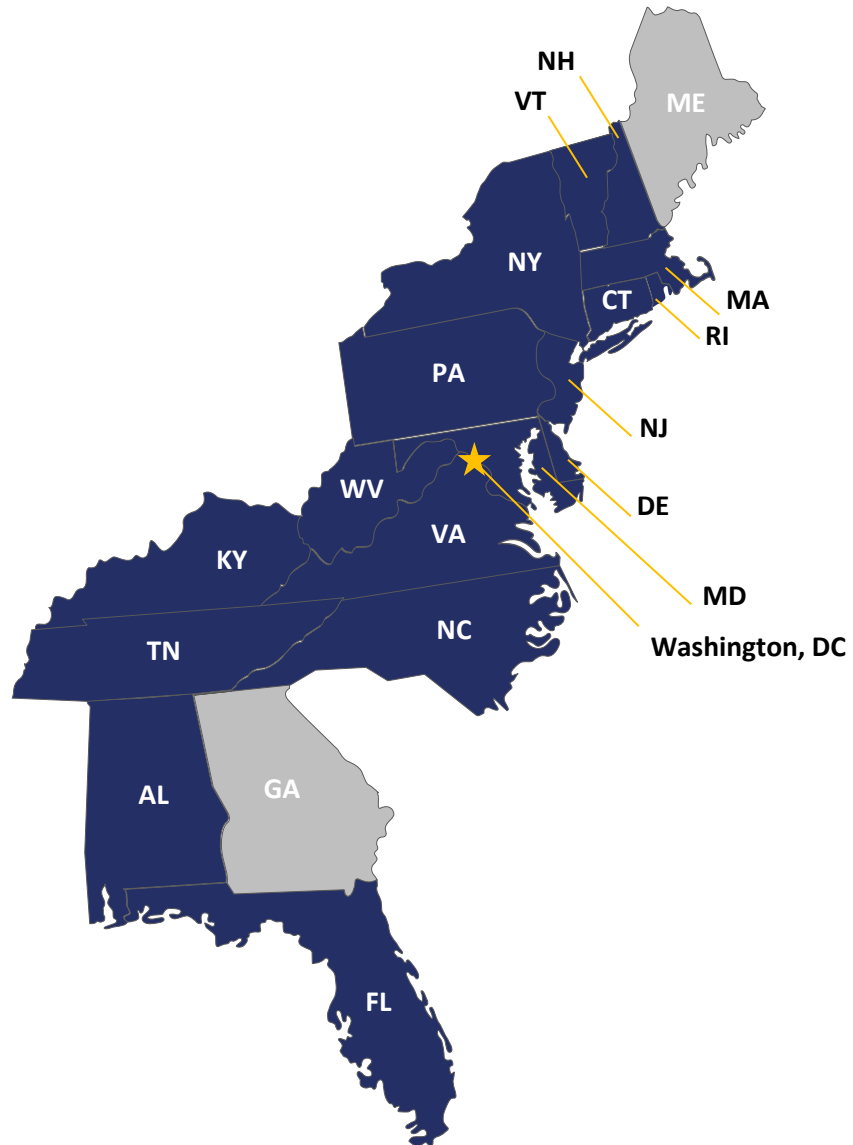
Welcome the newest member of TETC's team!

Nicole Forest
TSMO Program Associate
The Eastern Transportation Coalition

Welcome to the Meeting Participants

Agencies		
Alabama DOT	Massachusetts DOT	Pennsylvania DOT
Connecticut DOT	New Hampshire DOT	Pennsylvania Turnpike Commission
Delaware DOT	New Jersey DOT	Rhode Island DOT
District DOT	New York State DOT	Tennessee DOT
Florida DOT	Niagara International Transportation Technology Coalition (NITTEC)	Vermont AOT
Kentucky Transportation Cabinet	NJTPA	Virginia DOT
Maryland DOT - SHA	North Carolina DOT	West Virginia DOT

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Introducing the TIS Co-chairs

Kelly Wells
State Traveler Information Engineer
North Carolina DOT
TIS Co-chair

John Parker
Senior Traffic Operations Project Manager
Pennsylvania Turnpike Commission
TIS Co-chair

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Agenda

Topic	Speaker
Welcome, Introductions & TETC Update	Sheryl Bradley, TETC
In-Cab Alerts - Updates and QC Efforts • Talking Truck • Commercial Vehicle Notifications: Who Are We Working With?	John Parker, PA Turnpike Commission & TIS co-chair Vandana Mathur, New Jersey DOT
NCDOT Smart Grant - Automated Actionable Roadway Anomalies	Kelly Wells, North Carolina DOT & TIS co-chair
Roundtable Discussion: *What's new with your ATMS/ATIS?*	Kelly Wells
5-minute break	
Into the Dark - Messaging for the Eclipse: Presentation & Roundtable	Sheryl Bradley
Large-Scale Event Messaging - Planning & Implementation with 3rd Party Nav partners	Garrett Popovich, TETC Consultant
Navigation Hub Update	Garrett Popovich
TIS Strategic Planning for FY 2025	Kelly Wells John Parker
Wrap up and Thank You	Sheryl Bradley

Talking Truck

John Parker

Senior Traffic Operations Project Manager

Pennsylvania Turnpike Commission

TIS Co-chair

Talking Truck

Companies we share with…..

Apple	Travel-IQ	Trimble Maps	Volpe/WZDx	Waze/Google
FreightWaves	GM-Onstar	HAAS Alerts	iHeartRadio	INRIX
	TOM OnStar	Sirius XM		

Companies we are in talks with….

- **Prepass** – Contact Jarrod - jarrod@prepassalliance.org – *Real time crash and work zone*

- **BestPass** – Contact Dave Long - David Long DLong@bestpass.com – *Real time and work zone*

- **Fedex** – Contact Casey Warren - casey.warren@fedex.com – *They are in design of combining Freight, Air and Ground software as we speak.*

What else are we trying????

Trucker Email distribution list (130 companies)

Restrictions

Where real-time data is available

Trucker Podcast

Text subscription for all motorists – Trip Talk (Geofence)

How can we team up?

Email distribution share

Direct companies to WZDX
Common hub?

How to contact ELDs

Going out to Commercial vehicle Safety Alliance (CVSA)
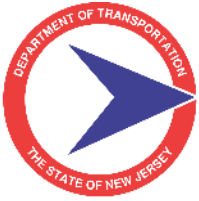
Commercial Vehicle Notifications
Who Are We Working With?

Vandana Mathur

Supervisor, Transportation Mobility

New Jersey DOT
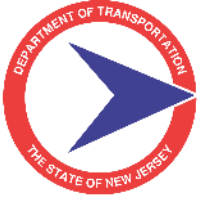
Provider of North America's largest weigh station bypass system (Drivewyze PreClear)

Provider of real time traffic data and analytics to state agencies, cities and transportation authorities worldwide

AGENCIES INVOLVED:

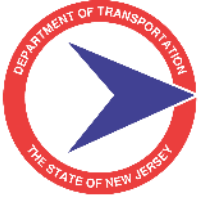# **Drive**wyze

Alerts

- Following is the text that goes out:
  - Title: LEFT LANE RESTRICTED
  - Message: No Trucks Left Lane

Notifications

"No Trucks in Left Lane"

Notifications strategically placed roughly every 15 miles in every 3+ lane sections of our roadways.

Roads receiving this notification:

I-80, I-195, I-280, I-287, I-295, I-676, NJ440, Turnpike, Parkway, and AC Expressway.

Purpose: Alleviate traffic congestion, increase the traffic flow rate, and increase safety.

Static Alert Notifications in different locations:

- High Rollover Alert

- Low Bridge

- Weight Restriction

Drivewyze Insights

February 2024

New Jersey Monthly Agency Report
Drivewyze Safety Notifications

Alerts

Stats for Subscribed Vehicles only.

Alert Name	Zone Count	Unique Vehicles	Total Alerts	Alerts Per Vehicle
Agency Road Sign	9	1,357	2,334	1.7
High Rollover	10	14,324	66,776	4.7
High Wind	2	4	8	2.0
Low Bridge	106	3,020	10,183	3.4
Public Service	6	46	82	1.8
Road Closure	10	428	999	2.3
Weight Restriction	88	21,138	589,412	27.9

Using Technology to "Spread the Word"
June 11, 2023 - I-95 Philadelphia

April 4, 2024

QA/QC

- **Your Name & Agency**: NJDOT or SJTA (South Jersey Transportation Authority) or NJTA (NJ Turnpike Authority)

- **Have you received Safety Alerts from Drivewyze app? (Yes/No)**

- **What kind of Alert Type did you experience: Sudden slowdown, Congestion ahead, Low bridge ahead, High rollover area, etc.**

- **Safety Alerts appeared for how long (5/10/15 seconds)?**

- **Route , Direction, MP when you received the Alert**

- **Date and Time of Alert**

- **Alert Method: Blinking of notification? Sound? Vibration?**

- **Can you correlate the Sudden Slowdown Alert/Congestion Ahead Alert to an Actual Incident or a slowdown?**

- **How many alerts did you receive for same incident?**

- **Accuracy: Early, On time, Late, No alert, Wrong alert, False alert, etc.**

- **Does the app drain too much battery?**

- **Any issues using the app?**

- **Other comments?**

Next Steps

NCDOT Smart Grant - Automated Actionable Roadway Anomalies
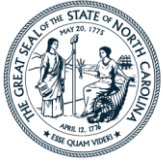
Kelly Wells

State Traveler Information Engineer

North Carolina DOT

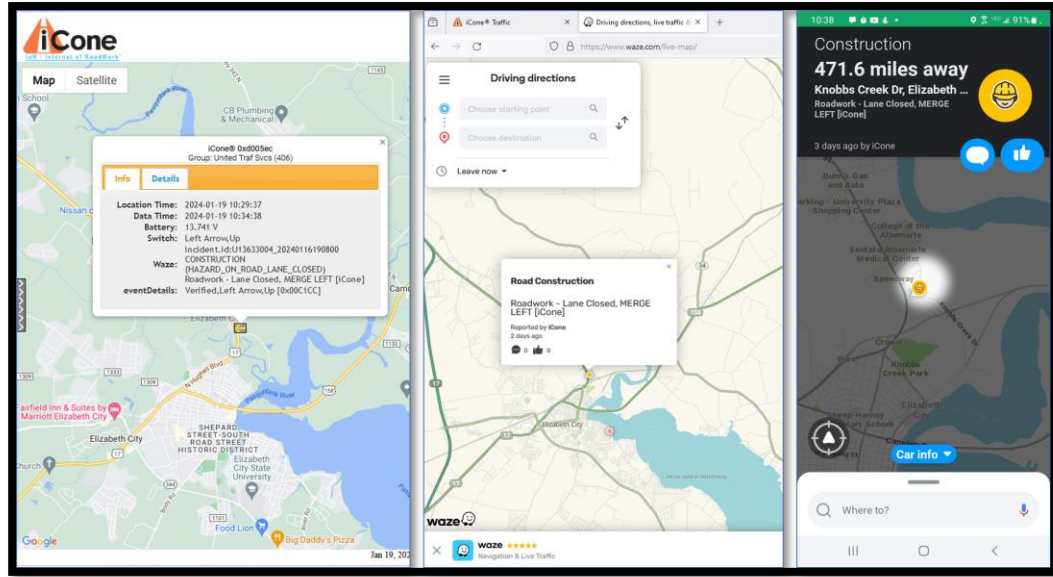TIS Co-chair

NORTH CAROLINA
Department of Transportation

AARA

Kelly Wells, NCDOT, Traffic Systems Operations

So, there is this federal grant opportunity……

+

SUDDEN SLOWDOWN AHEAD

Proceed with Caution

CONGESTION AHEAD

Proceed with Caution

Google Maps

waze

What is this grant all about?

- Get real time alerts of things that require ACTION on freeways
  - o You must slow down – traffic is moving slower ahead
  - o You must change lanes - there is an arrow board closing a lane

- Into people's EXISTING APPS (Waze, Google, Apple, Trucks, Cars…)

- Info is PUSHED

- Info is AUTOMATED
  - no human action needed
  - sensed, not entered

- Alerts are HANDS FREE and EYES FREE

- Builds on things we are already doing

- USDOT $2 million SMART grant: Sept 2023 – March 2025
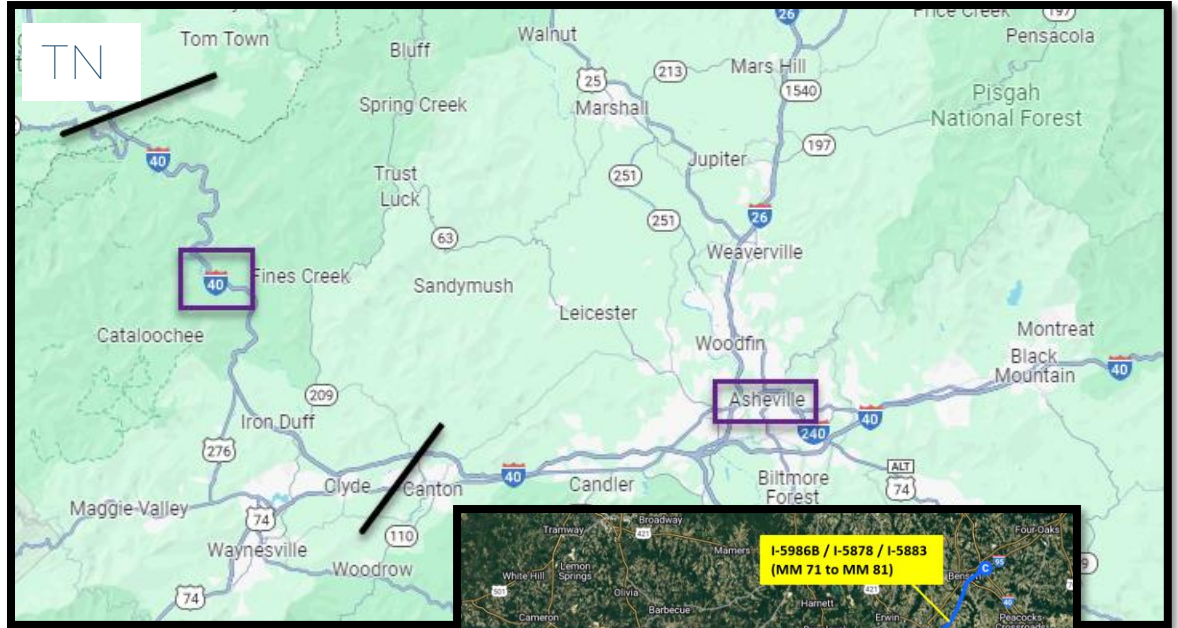
- KPMG/ICF project management support

AARA
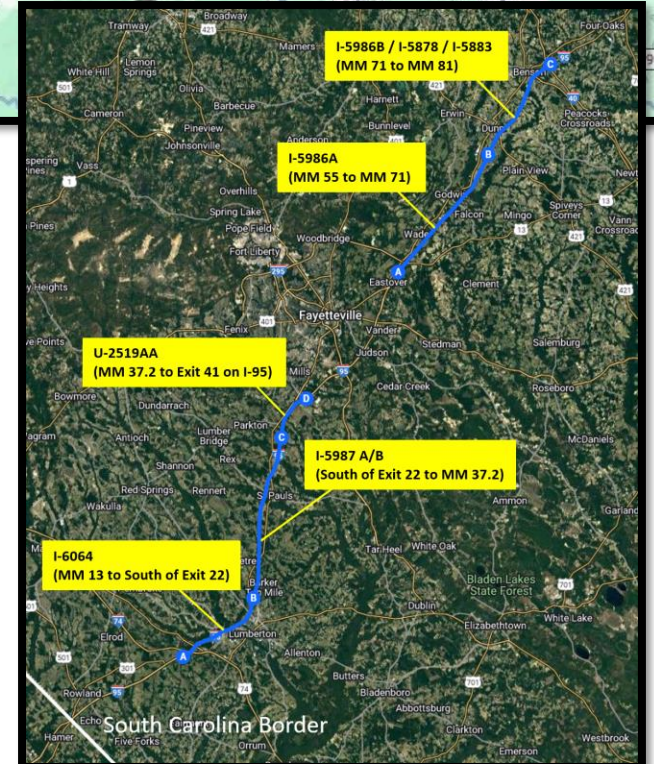- Automated
- Actionable
- Road
- Anomalies

Where and When

Where

- I-40: Tennessee state line to NC mile marker 20; Pigeon River Gorge (and beyond)
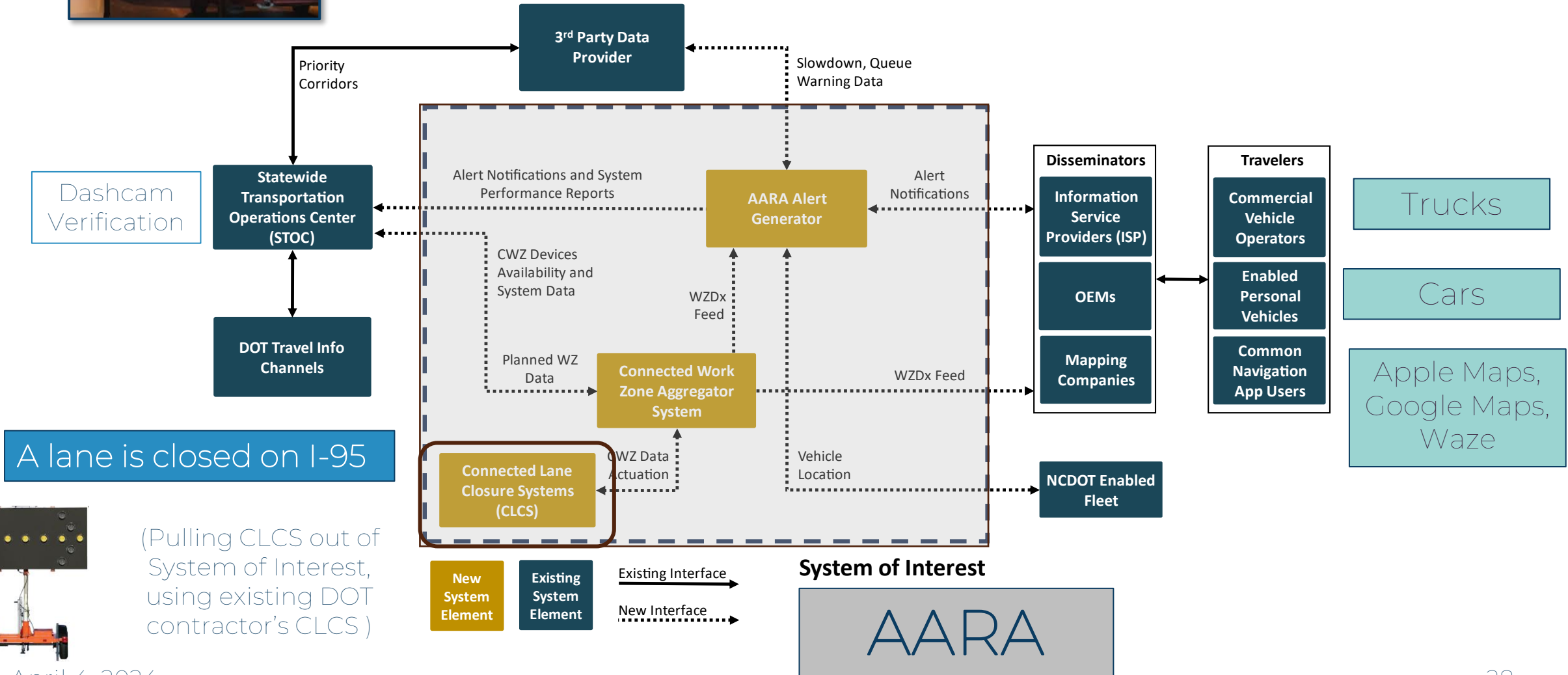- I-95: South Carolina state line to Fayetteville (and beyond)

When

Apr 2024: Advertise Phase 1 through NCDOT Purchasing

ZZZ 2024:   Contract Award

YYY 2024: Design and Go Live

XXX 2024: Proof of Concept and Data Collection by NCSU

Sep 2024: Initial Evaluation Due / Request Phase 2

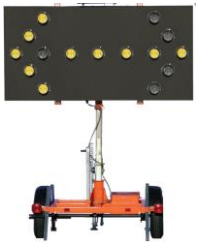Mar 2025: Phase 1 Complete

TBD: Phase 2 – adds Statewide and CV

Traffic has stopped on I-40

3rd Party Data Provider
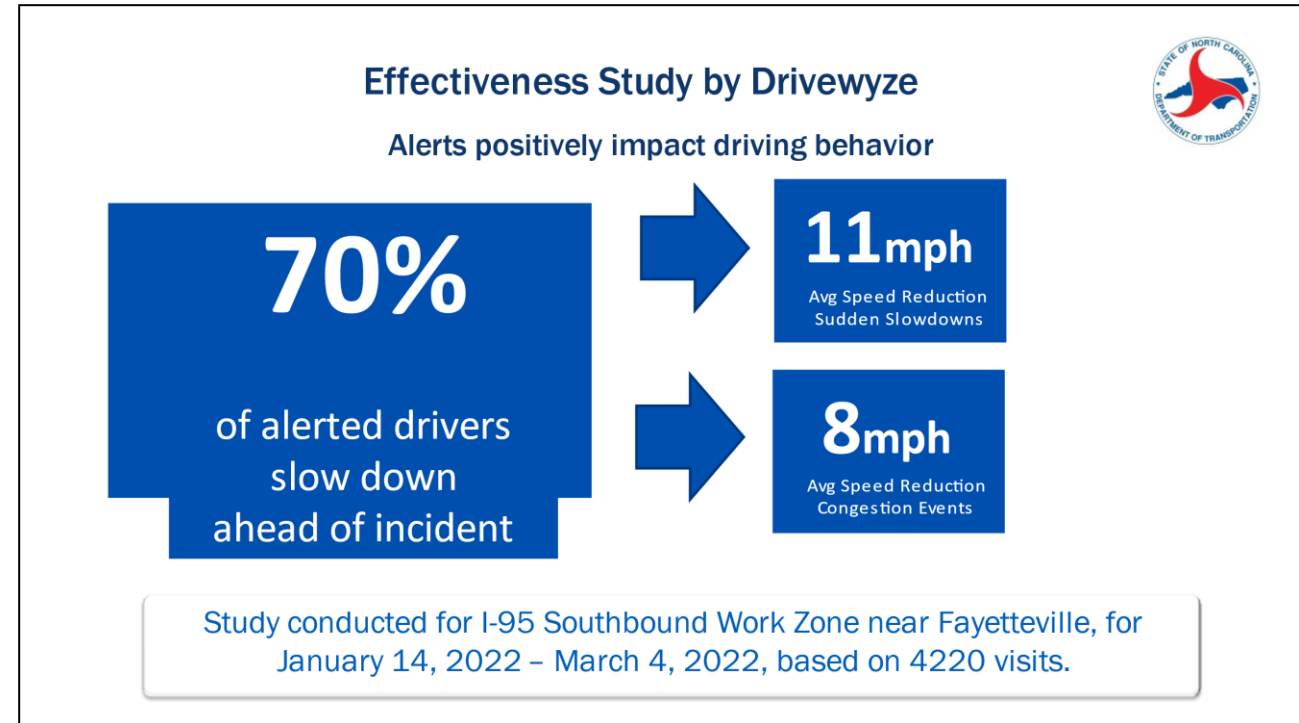
Priority Corridors

Slowdown, Queue Warning Data

System of Interest

Alert Notifications and System Performance Reports

AARA Alert Generator

Alert Notifications

Dashcam Verification

Statewide Transportation Operations Center (STOC)

Disseminators

Information Service Providers (ISP)

Travelers

Commercial Vehicle Operators

Trucks

CWZ Devices Availability and System Data

WZDx Feed

OEMs

Enabled Personal Vehicles

Cars

DOT Travel Info Channels

Planned WZ Data

Connected Work Zone Aggregator System

WZDx Feed

Mapping Companies

Common Navigation App Users

Apple Maps, Google Maps, Waze

A lane is closed on I-95

Connected Lane Closure Systems (CLCS)

CWZ Data Actuation

Vehicle Location

NCDOT Enabled Fleet

(Pulling CLCS out of System of Interest, using existing DOT contractor's CLCS)

System of Interest

New System Element	**Existing System Element**	Existing Interface
		New Interface

AARA

Effectiveness Measures

- We need to show who got alerts and what they did because of the alerts

- Like this from Drivewyze

- Approaches
  - AARA Contractor – must provide an evaluation approach
  - "Internal"
    - NC State Students driving through areas and evaluating if alerts are showing on Apple, Google, and Waze
    - NCDOT SSP drivers reporting slow-down alerts – iPad and (hopefully) Siri

Effectiveness Study by Drivewyze

Alerts positively impact driving behavior

70% of alerted drivers slow down ahead of incident

11mph Avg Speed Reduction Sudden Slowdowns

8mph Avg Speed Reduction Congestion Events

Study conducted for I-95 Southbound Work Zone near Fayetteville, for January 14, 2022 – March 4, 2022, based on 4220 visits.

Evaluating Drivewyze using RITIS Congestion Scans

Alert	Number	Number per hour
Congestion Alert	31	8.2
Sudden Slowdown	30	12.3
Total	61	9.8

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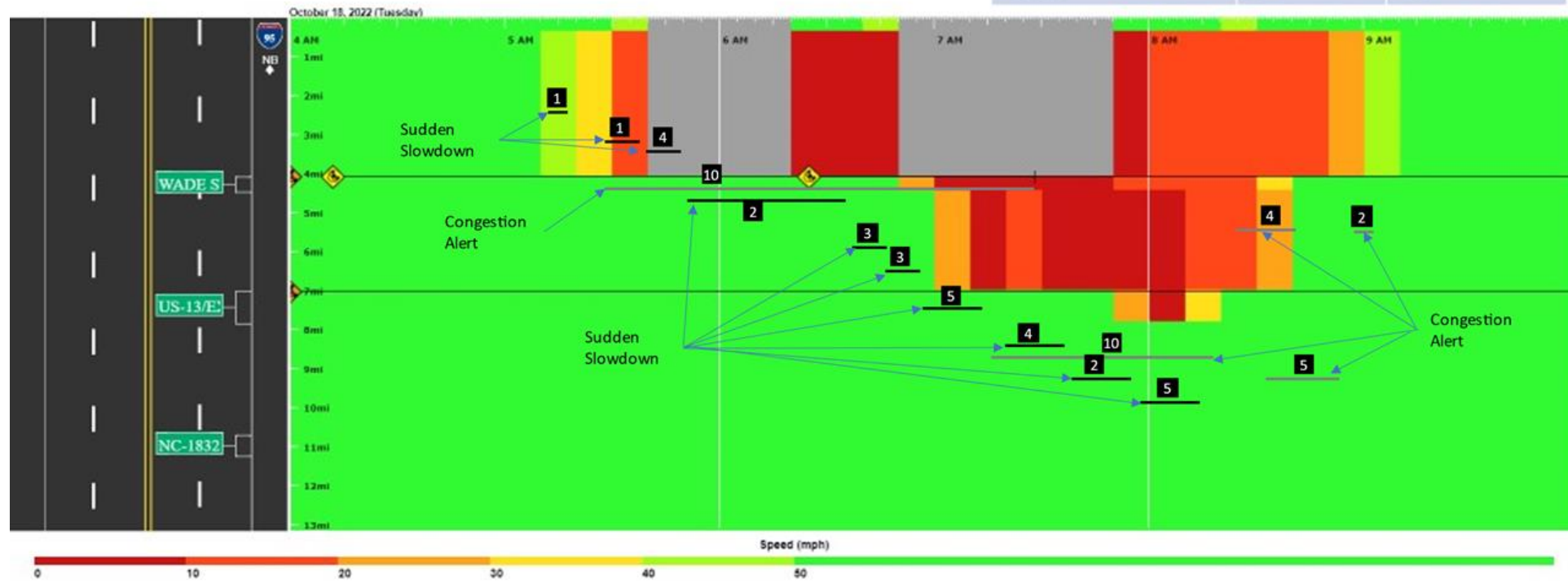
Questions

Into the Dark - Messaging for the Eclipse

Sheryl Bradley
TSMO Program Director
The Eastern Transportation Coalition

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2024 Eclipse

Path of Totality

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TOTALITY OVER KENTUCKY

TOTALITY OVER PENNSYLVANIA — Erie, PA
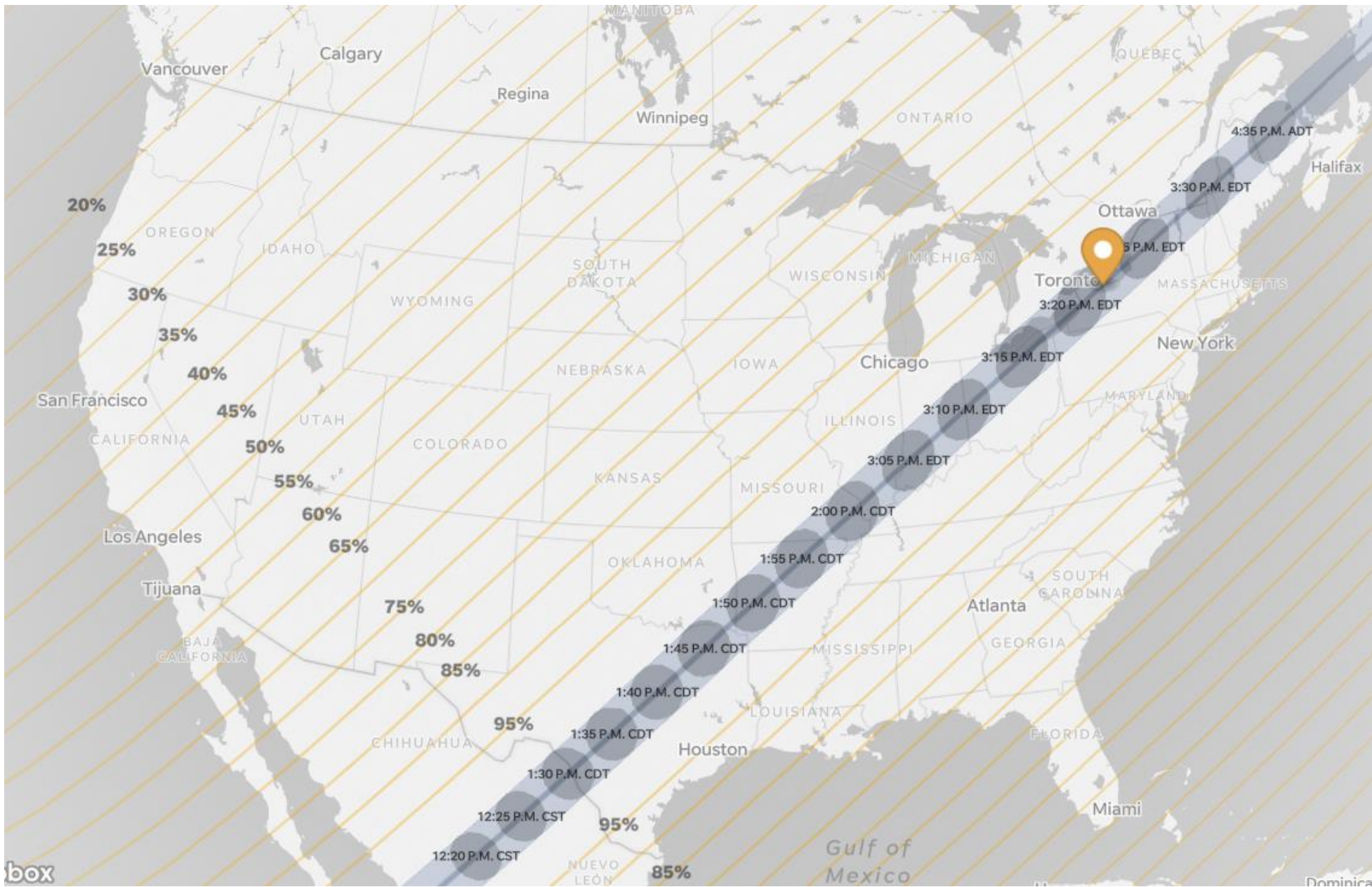
TOTALITY OVER NEW YORK — Niagara Falls, NY / Buffalo, NY / Plattsburgh, NY

TOTALITY OVER VERMONT

TOTALITY OVER NEW HAMPSHIRE

TOTALITY OVER MAINE — Mars Hill, ME

- In the path of totality:
  - KY, PA, NY, VT, NH, ME

- All states will have some level of visibility
  - New Hampshire - 95%
  - Connecticut - 90%+
  - Philly - 88%
  - Richmond - 83%
  - Knoxville - 90%
  - Wilmington - 70%
  - Birmingham - 86%
  - Orlando - 58%

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A partial solar eclipse will happen.
Shadows are sharper, the light
IS dimmer but the sky is still bright.
Wear eclipse glasses.

Latitude: 39.7663
Longitude: -79.5120
Timezone: America/New_York | -04:00

94.33%

Event	Time (Local Time)	Alt	Az
Start	02:00 pm	56.5°	198.7°
Max Eclipse	03:17 pm	48.4°	227.3°
End	04:30 pm	36.6°	246.2°

Total Eclipse Duration:
02:29:52

tetcoalition.org

2024 Eclipse (continued)

- Traveler Info is front and center

- 4.5 min of totality, but approx. 3-hrs from start to finish
  - Our states…3.75-4 min

- Will cross mostly rural areas, but in close proximity to several urban hubs.
  - Expect motorists from the cities to travel outward to the rural viewing areas.

2017 Lessons Learned

- States not in the path will still likely be impacted – especially states bordering totality path

- Monitor 2-lane roadways

- Like most planned events, inbound traffic may stagger but outbound is likely to be biggest impact

The Pathfinder

- A collaborative strategy for proactive transportation system management ahead of and during adverse weather events, which encourages State DOTs, NWS, and weather service contractors to share and translate weather forecasts and road conditions into consistent transportation impact messages for the public. (FHWA)

- FHWA encouraging this strategy for the eclipse

What does that mean?

- Become a primary source of information

  - Up-to-date and accurate traveler information

- Coordinate with NWS for weather conditions that could make viewing less optimal; communicate to the public

- Coordinate with local agencies and first responders

- Coordinate with construction/maintenance staff in areas of anticipated eclipse traffic

- Manage traveler expectations

Messaging

- FHWA has recommended the following messages:

HEADLIGHT USE:

Beginning of eclipse zone:

> HEADLIGHTS ON
> DURING
> ECLIPSE

End of eclipse zone:

> END
> DAYTIME
> HEADLIGHT USE

STOPPING PROHIBITION:

Phase 1:

> EMERGENCY
> STOPPING
> ONLY

Phase 2:

> ON RAMPS
> AND
> SHOULDERS

COMBINATION:

Phase 1:

> EMERGENCY
> STOPPING
> ONLY

Phase 2:

> TURN ON
> HEADLIGHTS

Pennsylvania DOT

New York State DOT

New England – Maine DOT, Vermont AOT & New Hampshire

aotvermont · Follow

aotvermont 1w
TODAY AT NOON on Vermont Edition, learn what to expect and how to act smart on the day of the eclipse, April 8th. Jayna Morse of the Agency of Transportation and Eric Forand of Vermont Emergency Management explain steps the state is taking, and steps you and any visitors should take, too. Link in bio. Photo Credit: Scott Szarapka

24 likes
March 25

mainedot ✓ · Follow

mainedot 3w
One month from tomorrow, parts of Maine will experience a total solar eclipse. If you are traveling for the big event, here's our advice: plan ahead, arrive early, and stay late. FMI: https://rb.gy/nasfbg #Eclipse24 #MEEclipse24

No comments yet.
Start the conversation.

18 likes
March 7

NHDOT
@NewHampshireDOT

📷 Planning to catch the eclipse spectacle? 📷 NHDOT advises against roadside stops for viewing. Park in designated spots and stay updated on traffic updates via NewEngland511.org. Most importantly, don't forget to pack your patience!

mainedot ✓ · Follow

mainedot 1w
The #Eclipse24 is coming. If you're planning to travel, remember to plot out your primary and backup travel routes ahead of time (including the trip home). Don't rely on cell phone service for navigation. #MEEclipse24

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Large-Scale Event Messaging - Planning and Implementation with 3rd Party Nav partners

Garrett Popovich
TETC Consultant

LARGE-SCALE EVENT PREP

Effective and carefully planned traffic management strategies are crucial for a successful event, guaranteeing seamless vehicle flow, pedestrian safety, and minimal disturbances to neighboring communities.

PRE-EVENT COORDINATION

- Working with all involved agencies on the Unified Traffic Management Plan

- Collaborating with Local Authorities and Stakeholders

- Getting outside help (Waze community) involved sooner

EVENT TRAFFIC MANAGEMENT PLAN

TRAFFIC FLOW

- Existing road networks
- Traffic flow
- Congestion issues
- Detours / Road closure
- Routing/messaging

PARKING

- Parking locations
- Entry and exit spots
- Location Name
- Access

PEDESTRIAN TRAFFIC

- Pedestrian pathways
- Crossing locations

PUBLIC TRANSIT

- Routes
- Drop off / Pick up spots
- Rideshare

DAY OF EVENT COORDINATION

- Day of event traffic monitoring

- Effective communication with Local Authorities and Stakeholders

- Real time feedback to motorists

POST EVENT REVIEW

- Capturing Feedback and Lessons Learned
- Gather feedback from authorities and other stakeholders
- Continuously Improving Traffic Management Strategies for Large-Scale Events
  - Continuous improvement mindset

Questions?

Navigation Hub Update

Garrett Popovich
TETC Consultant

NAVIGATION HUB UPDATE
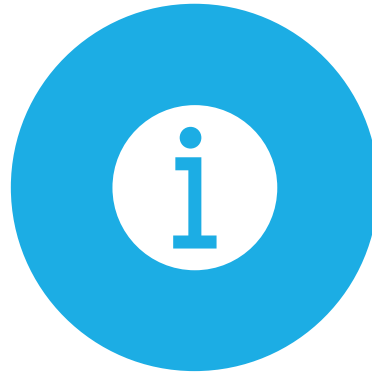
The Eastern Transportation Coalition
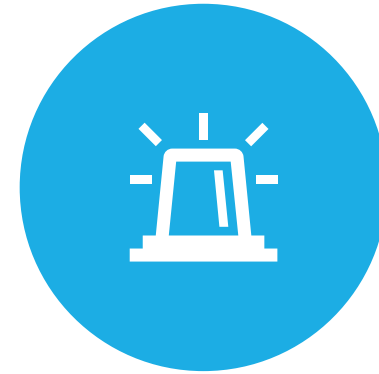
THE EASTERN
TRANSPORTATION
COALITION

GOALS OF NAVIGATION HUB

ONE LOCATION!

ALL THINGS NAVIGATION SYSTEMS

FAQ AND

GENERAL INFORMATION FOR MEMBERS


REQUEST HELP!

WHEN YOU NEED IT

FUNCTIONALITY AND ACCESSIBILITY REFRESHER

- The **Navigation Hub** is NOT designed to remove any of your current state's processes or to report daily or recurring incidents to navigation systems.

- The **Navigation Hub** is designed to help your state enhance its ability to work with navigation systems, as well as be a central location for members to request urgent assistance in escalating critical issues.

- The full re-release is scheduled for June! States will be provided training, and it will be up to the state to determine who they would like to share the **Navigation Hub** with.

TYPES OF INFORMATION ON THE UPDATED NAVIGATION HUB

❖ Expanding platforms to include Apple & TomTom

❖ Data formatting per navigation system

❖ General responses to the most common questions

❖ Waze community editor community state/regional leaders

❖ How-to documents (data/api/feeds)

❖ Major event/disaster information with navigation systems

customers

streets

parcels

elevation

land usage

real world
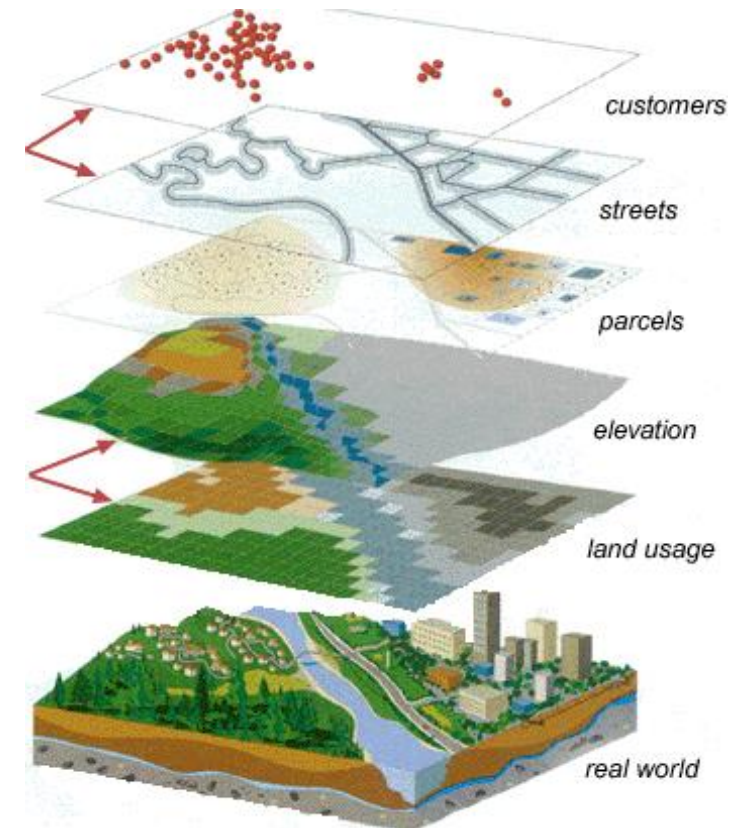
QUESTIONS/FEEDBACK

Wrap Up and Thank You

Sheryl Bradley
TSMO Program Director
The Eastern Transportation Coalition

Coalition Update - TSMO

Travel Info

Waze/3rd Party Mapping WG – 6/27/24

Cross-cutting

Bridge Strike Initiatives
VIE (12/15/2023) & ongoing

HOGs

In-person Exchanges – coming soon!

TDM

TAC & State POC Mtgs - Quarterly
New Ancillary Products!
TDM Vendor Forums

RITIS

Workshop – 3/19/24
Enhancement WG - 3/21/24
User Group Mtg – 5/9/2024

THANK YOU

THE EASTERN TRANSPORTATION COALITION

CONNECTING FOR SOLUTIONS

Sheryl Bradley

TSMO Program Director

sbradley@tetcoalition.org